

## INDEX TO VOLUME 124

## Alphabetical Table of Contents of Authors

- ABRAMS, PETER A. Foraging time optimization and interactions in food webs, 80
- AKIN, ETHAN, HOWARD LEVENE, LOUIS LEVINE, and ROBERT ROCKWELL. A conservative procedure for the estimation of multiple insemination in *Drosophila*, 723
- ALLENDORF, FRED W. See ROBB F. LEARY
- ANDERSON, GREGORY J., and G. LEDYARD STEBBINS. Dioecy versus gametophytic self-incompatibility: a test, 423
- ANGERMEIER, PAUL L. See PHILIP R. YANT
- ATKINSON, W. D., and B. SHORROCKS. Aggregation of larval Diptera over discrete and ephemeral breeding sites: the implications for coexistence, 336
- BAKER, HERBERT G. Some functions of dioecy in seed plants, 149
- BARNARD, C. J. A slight misunderstanding, 280
- BAZZAZ, F. A. See D. C. HARTNETT
- BECKER, PETER. Tannin structure and function: keeping our perspective, 134
- BELL, GRAHAM. Evolutionary and nonevolutionary theories of senescence, 600
- BELOVSKY, GARY E. Herbivore optimal foraging: a comparative test of three models, 97
- BIEVER, LAWRENCE J. See EUGENE P. ODUM
- BOECKLEN, WILLIAM J. See FRANCES C. JAMES
- BOYD, CARL. See MARK HUNTLEY
- BROWN, JAMES H. See ASTRID KODRIC-BROWN
- BROWN, JAMES H. On the relationship between abundance and distribution of species, 255
- BURKHARDT, ELIZABETH L. See THOMAS J. GIVNISH
- CAROTHERS, JOHN H. Sexual selection and sexual dimorphism in some herbivorous lizards, 244
- CARPENTER, STEPHEN R., and JAMES F. KITCHELL. Plankton community structure and limnetic primary production, 159
- CASE, TED J. Niche overlap and resource weighting terms, 604
- CAVERS, PAUL B. See JOSEPH C. COLOSI
- CAVERS, PAUL B., and MARION G. STEELE. Patterns of change in seed weight over time on individual plants, 324
- CHAPMAN, JOSEPH A. Latitude and gestation period in New World rabbits (*Leporidae: Sylvilagus* and *Romero-lagus*), 442
- CHRISTIANSEN, FREDDY B. See KENT E. HOLINGER
- CLARK, DAVID B. See DEBORAH A. CLARK
- CLARK, DEBORAH A., and DAVID B. CLARK. Spacing dynamics of a tropical rain forest tree: evaluation of the Janzen-Connell model, 769
- COCHRAN, PHILIP A. See FRANK J. RAHEL
- COLOSI, JOSEPH C., and PAUL B. CAVERS. Pollination affects percent biomass allocated to reproduction in *Silene vulgaris* (bladder campion), 299
- CONNOR, EDWARD F. See DANIEL SIMBERLOFF
- COSTA, DANIEL P. See C. LEO ORTIZ
- COX, PAUL ALAN, and R. JAMES HICKEY. Convergent megaspore evolution and *Isoetes*, 437
- DETHIER, MEGAN N., and DAVID O. DUGGINS. An "indirect commensalism" between marine herbivores and the importance of competitive hierarchies, 205
- DIAMOND, PHIL. See W. L. HOGARTH
- DOLLINGER, MICHAEL B. See JAMES F. WITTENBERGER
- DUGGINS, DAVID O. See MEGAN N. DETHIER
- Dwyer, Peter D. Functionalism and structuralism: two programs for evolutionary biologists, 745

## INDEX TO VOLUME 124

## Alphabetical Table of Contents of Authors

- ABRAMS, PETER A. Foraging time optimization and interactions in food webs, 80
- AKIN, ETHAN, HOWARD LEVENE, LOUIS LEVINE, and ROBERT ROCKWELL. A conservative procedure for the estimation of multiple insemination in *Drosophila*, 723
- ALLENDORF, FRED W. See ROBB F. LEARY
- ANDERSON, GREGORY J., and G. LEDYARD STEBBINS. Dioecy versus gametophytic self-incompatibility: a test, 423
- ANGERMEIER, PAUL L. See PHILIP R. YANT
- ATKINSON, W. D., and B. SHORROCKS. Aggregation of larval Diptera over discrete and ephemeral breeding sites: the implications for coexistence, 336
- BAKER, HERBERT G. Some functions of dioecy in seed plants, 149
- BARNARD, C. J. A slight misunderstanding, 280
- BAZZAZ, F. A. See D. C. HARTNETT
- BECKER, PETER. Tannin structure and function: keeping our perspective, 134
- BELL, GRAHAM. Evolutionary and nonevolutionary theories of senescence, 600
- BELOVSKY, GARY E. Herbivore optimal foraging: a comparative test of three models, 97
- BIEVER, LAWRENCE J. See EUGENE P. ODUM
- BOECKLEN, WILLIAM J. See FRANCES C. JAMES
- BOYD, CARL. See MARK HUNTLEY
- BROWN, JAMES H. See ASTRID KODRIC-BROWN
- BROWN, JAMES H. On the relationship between abundance and distribution of species, 255
- BURKHARDT, ELIZABETH L. See THOMAS J. GIVNISH
- CAROTHERS, JOHN H. Sexual selection and sexual dimorphism in some herbivorous lizards, 244
- CARPENTER, STEPHEN R., and JAMES F. KITCHELL. Plankton community structure and limnetic primary production, 159
- CASE, TED J. Niche overlap and resource weighting terms, 604
- CAVERS, PAUL B. See JOSEPH C. COLOSI
- CAVERS, PAUL B., and MARION G. STEELE. Patterns of change in seed weight over time on individual plants, 324
- CHAPMAN, JOSEPH A. Latitude and gestation period in New World rabbits (*Leporidae: Sylvilagus* and *Romero-lagus*), 442
- CHRISTIANSEN, FREDDY B. See KENT E. HOLINGER
- CLARK, DAVID B. See DEBORAH A. CLARK
- CLARK, DEBORAH A., and DAVID B. CLARK. Spacing dynamics of a tropical rain forest tree: evaluation of the Janzen-Connell model, 769
- COCHRAN, PHILIP A. See FRANK J. RAHEL
- COLOSI, JOSEPH C., and PAUL B. CAVERS. Pollination affects percent biomass allocated to reproduction in *Silene vulgaris* (bladder campion), 299
- CONNOR, EDWARD F. See DANIEL SIMBERLOFF
- COSTA, DANIEL P. See C. LEO ORTIZ
- COX, PAUL ALAN, and R. JAMES HICKEY. Convergent megaspore evolution and *Isoetes*, 437
- DETHIER, MEGAN N., and DAVID O. DUGGINS. An "indirect commensalism" between marine herbivores and the importance of competitive hierarchies, 205
- DIAMOND, PHIL. See W. L. HOGARTH
- DOLLINGER, MICHAEL B. See JAMES F. WITTENBERGER
- DUGGINS, DAVID O. See MEGAN N. DETHIER
- Dwyer, Peter D. Functionalism and structuralism: two programs for evolutionary biologists, 745

- EHRLICH, PAUL R., ALAN E. LAUNER, and DENNIS D. MURPHY. Can sex ratio be defined or determined? The case of a population of checkerspot butterflies, 527
- ELLISON, J. R. See R. H. RICHARDSON
- ELLSTRAND, NORMAN C. See KENT E. HOLINGER
- ENGEN, STEINAR, and NILS CHR. STENSETH. An ecological paradox: a food type may become more rare in the diet as a consequence of being more abundant, 352
- ESHEL, ILAN, and MARCUS W. FELDMAN. Initial increase of new mutants and some continuity properties of ESS in two-locus systems, 631
- FELDMAN, MARCUS W. See ILAN ESHEL
- FELDMAN, MARCUS W. See KENT E. HOLINGER
- FISCHER, ERIC A. Local mate competition and sex allocation in simultaneous hermaphrodites, 590
- FITCH, MARY A., and GARY W. SHUGART. Requirements for a mixed reproductive strategy in avian species, 116; Erratum, 768
- FOWLER, NORMA L., and DONALD A. LEVIN. Ecological constraints on the establishment of a novel polyploid in competition with its diploid progenitor, 703
- GENDRON, ROBERT P., and J. E. R. STADON. A laboratory simulation of foraging behavior: the effect of search rate on the probability of detecting prey, 407
- GIRALDEAU, LUC-ALAIN. Group foraging: the skill pool effect and frequency-dependent learning, 72
- GIVNISH, THOMAS J., ELIZABETH L. BURKHARDT, RUTH E. HAPPEL, and JASON D. WEINTRAUB. Carnivory in the bromeliad *Brocchinia reducta*, with a cost/benefit model for the general restriction of carnivorous plants to sunny, moist, nutrient-poor habitats, 479
- GLASSER, JOHN W. Is conventional foraging theory optimal? 900
- HALUPKA, KARL. See CHARLES MONNETT
- HAPPEL, RUTH E. See THOMAS J. GIVNISH
- HARTNETT, D. C., and F. A. BAZZAZ. Leaf demography and plant-insect interactions: goldenrods and phloem-feeding aphids, 137
- HEDRICK, PHILIP W., and DONALD A. LEVIN. Kin-founding and the fixation of chromosomal variants, 789
- HERBOLD, BRUCE. Structure of an Indiana stream fish association: choosing an appropriate model, 561
- HICKEY, R. JAMES. See PAUL ALAN COX
- HOGARTH, W. L., and PHIL DIAMOND. Interspecific competition in larvae between entomophagous parasitoids, 552
- HOLSINGER, KENT E., and NORMAN C. ELLSTRAND. The evolution and ecology of permanent translocation heterozygotes, 48
- HOLSINGER, KENT E., MARCUS W. FELDMAN, and FREDDY B. CHRISTIANSEN. The evolution of self-fertilization in plants: a population genetic model, 446
- HOLT, ROBERT D. Spatial heterogeneity, indirect interactions, and the coexistence of prey species, 377
- HUNTLEY, MARK, and CARL BOYD. Food-limited growth of marine zooplankton, 455
- JAIN, SUBODH. See KERMIT RITLAND
- JAMES, FRANCES C., RICHARD F. JOHNSTON, NOEL O. WAMER, GERALD J. NIEMI, and WILLIAM J. BOECKLEN. The Grinnellian niche of the wood thrush, 17
- JERMY, TIBOR. Evolution of insect/host plant relationships, 609
- JOHNSTON, RICHARD F. See FRANCES C. JAMES
- KARR, JAMES R. See PHILIP R. YANT
- KEELEY, JON E. Search theory and convergent spore morphology, 307
- KIESTER, A. ROSS, RUSSELL LANDE, and DOUGLAS W. SCHEMSKE. Models of coevolution and speciation in plants and their pollinators, 220
- KITCHELL, JAMES F. See STEPHEN R. CARPENTER
- KNUDSEN, KATHY L. See ROBB F. LEARY
- KODRIC-BROWN, ASTRID, and JAMES H. BROWN. Truth in advertising: the kinds of traits favored by sexual selection, 309
- KOZLOWSKI, JAN. See RICHARD G. WIEGERT

- LANDE, RUSSELL. See A. ROSS KIESTER
- LAUNER, ALAN E. See PAUL R. EHRLICH
- LAWLOR, LAWRENCE R. See CAROLE WOLIN
- LEARY, ROBB F., FRED W. ALLENDORF, and KATHY L. KNUDSEN. Superior developmental stability of heterozygotes at enzyme loci in salmonid fishes, 540
- LE BOEUF, BURNETT J. See C. LEO ORTIZ
- LECHOWICZ, MARTIN J. Why do temperate deciduous trees leaf out at different times? Adaptation and ecology of forest communities, 821
- LEONARD, JANET L., and KEN LUKOWIAK. Male-female conflict in a simultaneous hermaphrodite resolved by sperm trading, 282
- LEVENE, HOWARD. See ETHAN AKIN
- LEVIN, DONALD A. See NORMA L. FOWLER
- LEVIN, DONALD A. See PHILIP W. HEDRICK
- LEVINE, LOUIS. See ETHAN AKIN
- LIMA, STEVEN. Territoriality in variable environments: a simple model, 641
- LUKOWIAK, KEN. See JANET L. LEONARD
- LYONS, JOHN D. See FRANK J. RAHEL
- McGINLEY, MARK A. The adaptive value of male-biased sex ratios among stressed animals, 597
- MCNAUGHTON, S. J. Grazing lawns: animals in herds, plant form, and coevolution, 863
- MEIKLE, D. B., B. L. TILFORD, and S. H. VESSEY. Dominance rank, secondary sex ratio, and reproduction of offspring in polygynous primates, 173
- METCALF, ROBERT A. See ROBERT E. PAGE, JR.
- MONNETT, CHARLES, LISA M. ROTTERMAN, CHERYL WORLEIN, and KARL HALUPKA. Copulation patterns of red-winged blackbirds (*Agelaius phoeniceus*), 757
- MONTAGUE, JEREMY R. The ecology of Hawaiian flower-breeding drosophilids. I. Selection in the larval habitat, 712
- MOORE, BETTY C. See JOHN A. MOORE
- MOORE, JOHN A., and BETTY C. MOORE. The *Drosophila* of southern California. II. Isolation of populations in the Death Valley region, 738
- MURPHY, DENNIS D. See PAUL R. EHRLICH
- NIEMI, GERALD J. See FRANCES C. JAMES
- ODUM, EUGENE P., and LAWRENCE J. BIEVER. Resource quality, mutualism, and energy partitioning in food chains, 360
- ORTIZ, C. LEO, BURNETT J. LE BOEUF, and DANIEL P. COSTA. Milk intake of elephant seal pups: an index of parental investment, 416
- PAGE, ROBERT E., JR., and ROBERT A. METCALF. A population investment sex ratio for the honey bee (*Apis mellifera* L.), 680
- PETERS, ROBERT HENRY, and JOHN VERNER RAELSON. Relations between individual size and mammalian population density, 498
- PETERSON, CHARLES H. Does a rigorous criterion for environmental identity preclude the existence of multiple stable points? 127
- RAELSON, JOHN VERNER. See ROBERT HENRY PETERS
- RAHEL, FRANK J., JOHN D. LYONS, and PHILIP A. COCHRAN. Stochastic or deterministic regulation of assemblage structure? It may depend on how the assemblage is defined, 583
- RHOMBERG, LORENZ. Inferring habitat selection by aphids from the dispersion of their galls over the tree, 751
- RICHARDSON, R. H., and J. R. ELLISON. Screwworm karyotyping and species diversity, 765
- RITLAND, KERMIT, and SUBODH JAIN. The comparative life histories of two annual *Limnanthes* species in a temporally variable environment, 656
- ROCKWELL, ROBERT. See ETHAN AKIN
- ROTTERMAN, LISA M. See CHARLES MONNETT
- SCHAFFER, WILLIAM M. Stretching and folding in lynx fur returns: evidence for a strange attractor in nature? 798
- SCHEMSKE, DOUGLAS W. See A. ROSS KIESTER
- SHORROCKS, B. See W. D. ATKINSON
- SHUGART, GARY W. See MARY A. FITCH
- SILVERTOWN, JONATHAN W. Phenotypic variety in seed germination behavior: the ontogeny and evolution of somatic polymorphism in seeds, 1
- SIMBERLOFF, DANIEL, and EDWARD F. CONNOR. Inferring competition from biogeographic data: a reply to Wright and Biehl, 429

- STADDON, J. E. R. See ROBERT P. GENDRON  
STEBBINS, G. LEDYARD. See GREGORY J. ANDERSON  
STEELE, MARION G. See PAUL B. CAVERS  
STENSETH, NILS CHR. See STEINAR ENGEN
- TAYLOR, PETER D. See JOHN H. WERREN  
TILFORD, B. L. See D. B. MEIKLE
- VALENTINE, JAMES W. See TIMOTHY D.  
WALKER  
VESSEY, S. H. See D. B. MEIKLE
- WALKER, TIMOTHY D., and JAMES W.  
VALENTINE. Equilibrium models of evolutionary species diversity and the number of empty niches, 887
- WALSH, JAMES BRUCE. Hard lessons for soft selection, 518
- WAMER, NOEL O. See FRANCES C. JAMES
- WASHBURN, JAN O. The gypsy moth and its parasites in North America: a community in equilibrium? 288
- WEINTRAUB, JASON D. See THOMAS J. GIVNISH
- WERREN, JOHN H., and PETER D. TAYLOR. The effects of population recruitment on sex ratio selection, 143
- WIEGERT, RICHARD G., and JAN KOZLOWSKI. Indirect causality in ecosystems, 293
- WITTENBERGER, JAMES F., and MICHAEL B. DOLLINGER. The effect of acentric colony location on the energetics of avian coloniality, 189
- WOLIN, CAROLE L., and LAWRENCE R. LAWLER. Models of facultative mutualism: density effects, 843
- WORLEIN, CHERYL. See CHARLES MONNETT
- YANT, PHILIP R., JAMES R. KARR, and PAUL L. ANGERMEIER. Stochasticity in stream fish communities: an alternative interpretation, 573
- ZUCKER, WILLIAM V. Reply to Becker, 287

## Alphabetical Table of Contents of Titles

- The adaptive value of male-biased sex ratios among stressed animals. Mark A. McGinley, 597
- Aggregation of larval Diptera over discrete and ephemeral breeding sites: the implications for coexistence. W. D. Atkinson and B. Shorrocks, 336
- The American Society of Naturalists: Reports of the Secretary, Treasurer, and Editor for 1983, 906
- Can sex ratio be defined or determined? The case of a population of checkerspot butterflies. Paul R. Ehrlich, Alan E. Launer, and Dennis D. Murphy, 527
- Carnivory in the bromeliad *Brocchinia reducta*, with a cost/benefit model for the general restriction of carnivorous plants to sunny, moist, nutrient-poor habitats. Thomas J. Givnish, Elizabeth L. Burkhardt, Ruth E. Happel, and Jason D. Weintraub, 479
- The comparative life histories of two annual *Limnanthes* species in a temporally variable environment. Kermit Ritland and Subodh Jain, 656
- A conservative procedure for the estimation of multiple insemination in *Drosophila*. Ethan Akin, Howard Levene, Louis Levine, and Robert Rockwell, 723
- Convergent megasporangium evolution and *Isoetes*. Paul Alan Cox and R. James Hickey, 437
- Copulation patterns of red-winged blackbirds (*Agelaius phoeniceus*). Charles Monnett, Lisa M. Rotterman, Cheryl Worlein, and Karl Halupka, 757
- Dioecy versus gametophytic self-incompatibility: a test. Gregory J. Anderson and G. Ledyard Stebbins, 423
- Does a rigorous criterion for environmental identity preclude the existence of multiple stable points? Charles H. Peterson, 127
- Dominance rank, secondary sex ratio, and reproduction of offspring in polygynous primates. D. B. Meikle, B. L. Tilford, and S. H. Vessey, 173
- The *Drosophila* of southern California. II. Isolation of populations in the Death Valley region. John A. Moore and Betty C. Moore, 738
- Ecological constraints on the establishment of a novel polyploid in competition with its diploid progenitor. Norma L. Fowler and Donald A. Levin, 703
- An ecological paradox: a food type may become more rare in the diet as a consequence of being more abundant. Steinar Engen and Nils Chr. Stenseth, 352
- The ecology of Hawaiian flower-breeding drosophilids. I. Selection in the larval habitat. Jeremy R. Montague, 712
- The effect of acentric colony location on the energetics of avian coloniality. James F. Wittenberger and Michael B. Dollinger, 189
- The effects of population recruitment on sex ratio selection. John H. Werren and Peter D. Taylor, 143
- Equilibrium models of evolutionary species diversity and the number of empty niches. Timothy D. Walker and James W. Valentine, 887
- The evolution and ecology of permanent translocation heterozygotes. Kent E. Holsinger and Norman C. Ellstrand, 48
- Evolutionary and nonevolutionary theories of senescence. Graham Bell, 600
- Evolution of insect/host plant relationships. Tibor Jermy, 609
- The evolution of self-fertilization in plants: a population genetic model. Kent E. Holsinger, Marcus W. Feldman, and Freddy B. Christiansen, 446
- Food-limited growth of marine zooplankton. Mark Huntley and Carl Boyd, 455
- Foraging time optimization and interactions in food webs. Peter A. Abrams, 80

- Functionalism and structuralism: two programs for evolutionary biologists. Peter D. Dwyer, 745
- Grazing lawns: animals in herds, plant form, and coevolution. S. J. McNaughton, 863
- The Grinnellian niche of the wood thrush. Frances C. James, Richard F. Johnston, Noel O. Wamer, Gerald J. Niemi, and William J. Boecklen, 17
- Group foraging: the skill pool effect and frequency-dependent learning. Luc-Alain Giraldeau, 72
- The gypsy moth and its parasites in North America: a community in equilibrium? Jan O. Washburn, 288
- Hard lessons for soft selection. James Bruce Walsh, 518
- Herbivore optimal foraging: a comparative test of three models. Gary E. Belovsky, 97
- Indirect causality in ecosystems. Richard G. Wiegert and Jan Kozlowski, 293
- An "indirect commensalism" between marine herbivores and the importance of competitive hierarchies. Megan N. Dethier and David O. Duggins, 205
- Inferring competition from biogeographic data: a reply to Wright and Biehl. Daniel Simberloff and Edward F. Connor, 429
- Inferring habitat selection by aphids from the dispersion of their galls over the tree. Lorenz Rhomberg, 751
- Initial increase of new mutants and some continuity properties of ESS in two-locus systems. Ilan Eshel and Marcus W. Feldman, 631
- Interspecific competition in larvae between entomophagous parasitoids. W. L. Hogarth and Phil Diamond, 552
- Is conventional foraging theory optimal? John W. Glasser, 900
- Kin-founding and the fixation of chromosomal variants. Philip W. Heddick and Donald A. Levin, 789
- A laboratory simulation of foraging behavior: the effect of search rate on the probability of detecting prey. Robert P. Gendron and J. E. R. Staddon, 407
- Latitude and gestation period in New World rabbits (Leporidae: *Sylvilagus* and *Romerolagus*). Joseph A. Chapman, 442
- Leaf demography and plant-insect interactions: goldenrods and phloem-feeding aphids. D. C. Hartnett and F. A. Bazzaz, 137
- Local mate competition and sex allocation in simultaneous hermaphrodites. Eric A. Fischer, 590
- Male-female conflict in a simultaneous hermaphrodite resolved by sperm trading. Janet L. Leonard and Ken Lukowiak, 282
- Milk intake of elephant seal pups: an index of parental investment. C. Leo Ortiz, Burney J. Le Boeuf, and Daniel P. Costa, 416
- Models of coevolution and speciation in plants and their pollinators. A. Ross Kiester, Russell Lande, and Douglas W. Schemske, 220
- Models of facultative mutualism: density effects. Carole L. Wolin and Lawrence R. Lawlor, 843
- Niche overlap and resource weighting terms. Ted J. Case, 604
- On the relationship between abundance and distribution of species. James H. Brown, 255
- Patterns of change in seed weight over time on individual plants. Paul B. Cavers and Marion G. Steele, 324
- Phenotypic variety in seed germination behavior: the ontogeny and evolution of somatic polymorphism in seeds. Jonathan W. Silvertown, 1
- Plankton community structure and limnetic primary production. Stephen R. Carpenter and James F. Kitchell, 159
- Pollination affects percent biomass allocated to reproduction in *Silene vulgaris* (bladder campion). Joseph C. Colosi and Paul B. Cavers, 299
- A population investment sex ratio for the honey bee (*Apis mellifera* L.). Robert E. Page, Jr., and Robert A. Metcalf, 680
- Relations between individual size and

- mammalian population density. Robert Henry Peters and John Verner Raelson, 498
- Reply to Becker. William V. Zucker, 287
- Requirements for a mixed reproductive strategy in avian species. Mary A. Fitch and Gary W. Shugart, 116
- Resource quality, mutualism, and energy partitioning in food chains. Eugene P. Odum and Lawrence J. Biever, 360
- Screwworm karyotyping and species diversity. R. H. Richardson and J. R. Ellison, 765
- Search theory and convergent spore morphology. Jon E. Keeley, 307
- Sexual selection and sexual dimorphism in some herbivorous lizards. John H. Carothers, 244
- A slight misunderstanding. C. J. Barnard, 280
- Some functions of dioecy in seed plants. Herbert G. Baker, 149
- Spacing dynamics of a tropical rain forest tree: evaluation of the Janzen-Connell model. Deborah A. Clark and David B. Clark, 769
- Spatial heterogeneity, indirect interactions, and the coexistence of prey species. Robert D. Holt, 377
- Stochasticity in stream fish communities: an alternative interpretation. Philip R. Yant, James R. Karr, and Paul L. Angermeier, 573
- Stochastic or deterministic regulation of assemblage structure? It may depend on how the assemblage is defined. Frank J. Rahel, John D. Lyons, and Philip A. Cochran, 583
- Stretching and folding in lynx fur returns: evidence for a strange attractor in nature? William M. Schaffer, 798
- Structure of an Indiana stream fish association: choosing an appropriate model. Bruce Herbold, 561
- Superior developmental stability of heterozygotes at enzyme loci in salmonid fishes. Robb F. Leary, Fred W. Allendorf, and Kathy L. Knudsen, 540
- Tannin structure and function: keeping our perspective. Peter Becker, 134
- Territoriality in variable environments: a simple model. Steven Lima, 641
- Truth in advertising: the kinds of traits favored by sexual selection. Astrid Kodric-Brown and James H. Brown, 309
- Why do temperate deciduous trees leaf out at different times? Adaptation and ecology of forest communities. Martin J. Lechowicz, 821

